

Title (en)
ELECTRONIC TIMEPIECE WITH SOLAR CELL

Title (de)
ELEKTRONISCHE UHR MIT SOLARZELLE

Title (fr)
PIÈCE D'HORLOGERIE ÉLECTRONIQUE COMPORTANT UNE PHOTOPILE

Publication
EP 3093717 A4 20171115 (EN)

Application
EP 15812495 A 20150623

Priority
• JP 2014128797 A 20140624
• JP 2015068008 W 20150623

Abstract (en)
[origin: EP3093717A1] An electric timepiece with a solar cell in which an aesthetic aspect is satisfied at low costs without decorating a dial trim ring and the power generation amount sufficient for driving a timepiece is obtained is provided. An electric timepiece with a solar cell includes a dial (5), a light permeable dial trim ring (7) disposed to surround a center portion of the dial (5), and a solar cell (11) disposed outside an outside surface (7c) of the dial trim ring (7) to face the outside surface (7c). An inclination surface is formed at least in a part of the outside surface (7c) of the dial trim ring, which faces the solar cell (11), the inclination surface inclines toward the center portion of the dial (5) as going from the dial (5) in a height direction of the dial trim ring (7), and a different color member (12) having a color different from that of a light-receiving surface of the solar cell (11) is provided to face a lower surface (7b) of the dial trim ring (7).

IPC 8 full level
G04C 10/02 (2006.01); **G04G 17/08** (2006.01); **G04G 19/00** (2006.01)

CPC (source: EP US)
G04B 19/06 (2013.01 - US); **G04C 10/02** (2013.01 - EP US); **G04G 17/00** (2013.01 - EP); **G04G 17/08** (2013.01 - EP US);
G04G 19/00 (2013.01 - EP US)

Citation (search report)
• [A] EP 1574919 A1 20050914 - CITIZEN WATCH CO LTD [JP]
• [A] JP 2005249720 A 20050915 - CITIZEN WATCH CO LTD
• [A] EP 1586963 A1 20051019 - CITIZEN WATCH CO LTD [JP]
• See references of WO 2015199064A1

Cited by
EP4266133A1

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